KIV Vial Coding Machine

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KIV Vial Coding and Verification

Figure 1 — Front view of the KIV

Overview

The KIV series of machines are designed to meet the current and upcoming demands of track and trace. The KIV with its compact footprint is an in-line solution that can be integrated into existing lines providing vial coding and verification after the capping operation or with an integrated capping station.

Clean and simple

Providing clean and simple design is part of what sets Bosch apart. The clean and simple design philosophy provides for machinery that is easier to maintain and provides for increased output without sacrificing the quality you have come to expect from Bosch.

Operation

- Vials are fed to the KIV in a single line from the side by conveyor or scroll from an upstream machine
- The vials are imprinted on the top of the cap, and/or the cap lip with either alphanumeric or 2-D matrix coding.
- The code is verified in-line to assure code integrity on each vial by a high speed vision system.
- Nonconforming vials are ejected to a reject tray.
- Good vials continue to the next step of the packaging operation.

Figure 2 — High speed vision system

Figure 3 — Control Cabinet

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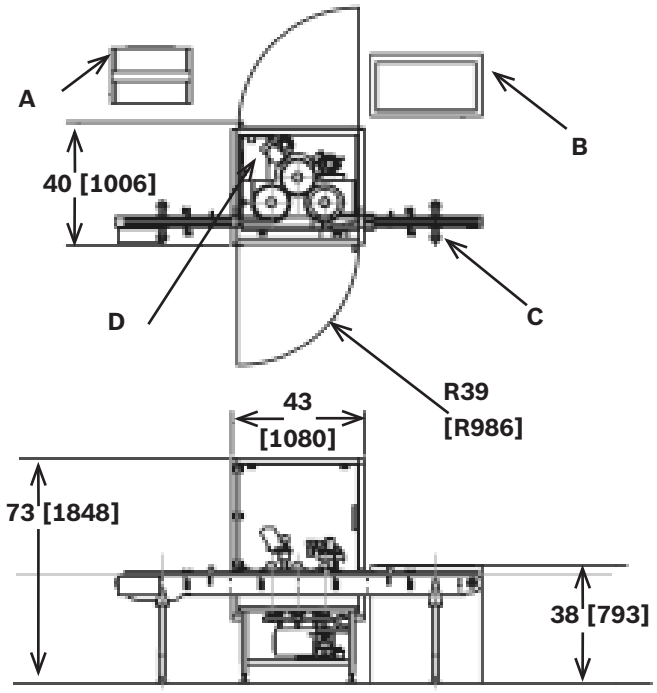

Figure 4 — Technical drawing, top and side view

A: Printer Cabinet
B: Electrical Cabinet
C: Conveyor option
D: Eject Station

Design

- All stainless steel and pharmaceutical grade plastic materials.
- Open to unidirectional air flow
- Standard Safety enclosure
- Latest cGMP design
- Base footprint 28” by 40” (700mm x 1150mm)
- Minimal change parts to vary vial size

Specifications

- Vial size range of 2 ml to 500 ml.
- Vial Diameter, 13 mm to 100 mm.
- Up to 150 mm vial height.
- Machine speed up to 400 vials per minute.
- Minimal size parts.
- Touch screen controls.
- Standard or invisible(florescent) ink options

Your Benefits

- Space saving design allows insertion into new or existing production lines.
- Clean and simple design for easy cleaning and maintenance.
- Plexiglas cabinet keeps the working area clean and keeps offers operator protection without obstructing view.
- Touch screen control panel offers convenient access to controls.
- Right or left hand infeed/outfeed options available.
- Top and side coding including alphanumeric and 2-D matrix coding. (bottom print optional)
- Multiple camera and printer options available.

Note: Illustrations and specifications contained in this brochure are for general information only. All dimensions and specifications are subject to change without notice.

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